QURANIC FACTS PROVEN BY MODERN SCIENCE

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THE QUR’AAN CHALLENGES

وَإِن كُنتُمْ فِي رَيْبٍ مِّمَّا نَزَّلْنَا عَلَىٰ عَبْدِنَا فَأْتُوا بِسُورَةٍ مِّن مِّثْلِهِ وَادْعُوا شُهَدَاءَكُم مِّن دُونِ اللَّهِ إِن كُنتُمْ صَادِقِينَ

“And if ye are in doubt as to what We have revealed from time to time to Our Servant, then produce a Soorah Like thereunto; And call your witnesses or helpers (If there are any) besides Allah, If your (doubts) are true.

فَإِن لَّمْ تَفْعَلُوا وَلَن تَفْعَلُوا فَاتَّقُوا النَّارَ الَّتِي وَقُودُهَا النَّاسُ وَالْحِجَارَةُ ۖ أُعِدَّتْ لِلْكَافِرِينَ

But if ye cannot –And of a surety you cannot. hen fear the Fire Whose fuel is Men and Stones – Which is prepared for those Who reject Faith.” [Al-Qur’aan 2:23-24]

ASTRONOMY

CREATION OF THE UNIVERSE: ‘THE BIG BANG

أَوَلَمْ يَرَ الَّذِينَ كَفَرُوا أَنَّ السَّمَاوَاتِ وَالْأَرْضَ كَانَتَا رَتْقًا فَفَتَقْنَاهُمَا ۖ وَجَعَلْنَا مِنَ الْمَاءِ كُلَّ شَيْءٍ حَيٍّ ۖ أَفَلَا يُؤْمِنُونَ

“Do not the Unbelievers see That the heavens and the earth Were joined together (as one Unit of Creation), before We clove them asunder?” [Al-Qur’aan 21:30]

ثُمَّ اسْتَوَىٰ إِلَى السَّمَاءِ وَهِيَ دُخَانٌ فَقَالَ لَهَا وَلِلْأَرْضِ ائْتِيَا طَوْعًا أَوْ كَرْهًا قَالَتَا أَتَيْنَا طَائِعِينَ

"Moreover, He Comprehended In His design the sky, And it had been (as) smoke: He said to it And to the earth: 'Come ye together, Willingly or unwillingly.' They said: 'We do come (Together), in willing obedience.'" [Al-Qur'aan 41:11]

THE LIGHT OF THE MOON IS REFLECTED LIGHT

تَبَارَكَ الَّذِي جَعَلَ فِي السَّمَاءِ بُرُوجًا وَجَعَلَ فِيهَا سِرَاجًا وَقَمَرًا مُّنِيرًا

"Blessed is He Who made Constellations in the skies, And placed therein a Lamp And a Moon giving light." [Al-Qur'aan 25:61]

هُوَ الَّذِي جَعَلَ الشَّمْسَ ضِيَاءً وَالْقَمَرَ نُورًا وَقَدَّرَهُ مَنَازِلَ لِتَعْلَمُوا عَدَدَ السِّنِينَ وَالْحِسَابَ ۚ مَا خَلَقَ اللَّهُ ذَٰلِكَ إِلَّا بِالْحَقِّ ۚ يُفَصِّلُ الْآيَاتِ لِقَوْمٍ يَعْلَمُونَ

"It is He who made the sun To be a shining glory And the moon to be a light (Of beauty)." [Al-Qur'aan 10:5]

أَلَمْ تَرَوْا كَيْفَ خَلَقَ اللَّهُ سَبْعَ سَمَاوَاتٍ طِبَاقًا
وَجَعَلَ الْقَمَرَ فِيهِنَّ نُورًا وَجَعَلَ الشَّمْسَ سِرَاجًا

"See ye not How Allah has created The seven heavens One above another, "And made the moon A light in their midst, and made the sun As a (Glorious) Lamp?" [Al-Qur'aan 71:15-16]

THE SUN ROTATES

وَهُوَ الَّذِي خَلَقَ اللَّيْلَ وَالنَّهَارَ وَالشَّمْسَ وَالْقَمَرَ ۖ كُلٌّ فِي فَلَكٍ يَسْبَحُونَ

"It is He Who created The Night and the Day, And the sun and the moon: All (the celestial bodies) Swim along, each in its Rounded course." [Al-Qur'aan 21:33]

لَا الشَّمْسُ يَنبَغِي لَهَا أَن تُدْرِكَ الْقَمَرَ وَلَا اللَّيْلُ سَابِقُ النَّهَارِ ۚ وَكُلٌّ فِي فَلَكٍ يَسْبَحُونَ

"It is not permitted To the Sun to catch up The Moon, nor can The Night outstrip the Day: Each (just) swims along In (its own) orbit (According to Law)." [Al-Qur'aan 36:40]

THE SUN WILL EXTINGUISH AFTER A CERTAIN PERIOD

وَالشَّمْسُ تَجْرِي لِمُسْتَقَرٍّ لَّهَا ۚ ذَٰلِكَ تَقْدِيرُ الْعَزِيزِ الْعَلِيمِ

"And the Sun Runs its course For a period determined For it; that is The decree of (Him) The exalted in Might, The All-Knowing." [Al-Qur'aan 36:38]

The light of the sun is due to a chemical process on its surface that has been taking place continuously for the past five billion years. It will come to an end at some point of time in the future when the sun will be totally extinguished leading to extinction of all life on earth.

THE PRESENCE OF INTERSTELLAR MATTER

الَّذِي خَلَقَ السَّمَاوَاتِ وَالْأَرْضَ وَمَا بَيْنَهُمَا

"He Who created the heavens And the earth and all That is between." [Al-Qur'aan 25:59]

Space outside organized astronomical systems was earlier assumed to be a vacuum . Astrophysicists later discovered the presence of bridges of matter in this interstellar space. These bridges of matter are called plasma, and consist of completely ionized gas containing equal number of free electrons and positive ions. Plasma is sometimes called the fourth state of matter (besides the three known states viz. solid, liquid and gas).

THE EXPANDING UNIVERSE

وَالسَّماءَ بَنَيْناهَا بِأَيْدٍ وَإِنَّا لَمُوسِعُونَ

"With the power and skill Did We construct The Firmament: For it is We Who create the vastness of Space." [Al-Qur'aan 51:47]

In 1925, an American astronomer by the name of Edwin Hubble, provided observational evidence that all galaxies are receding from one another, which implies that the universe is expanding. The expansion of the universe is now an established scientific fact.

SKY'S PROTECTION

وَجَعَلْنَا السَّمَاءَ سَقْفًا مَّحْفُوظًا ۖ وَهُمْ عَنْ آيَاتِهَا مُعْرِضُونَ

"WE MADE THE SKY A PROTECTIVE CEILING. AND YET THEY ARE TURNING AWAY FROM OUR SIGNS!" [21:32]

The Quran points to the sky's protection as a sign of Allah. The protective properties of the sky were

discovered by scientific research conducted in the 20th century.

PHYSICS

THE EXISTENCE OF SUBATOMIC PARTICLES

وَقَالَ الَّذِينَ كَفَرُوا لَا تَأْتِينَا السَّاعَةُ قُلْ بَلَىٰ وَرَبِّي لَتَأْتِيَنَّكُمْ عَالِمِ الْغَيْبِ لَا يَعْزُبُ عَنْهُ مِثْقَالُ ذَرَّةٍ فِي السَّمَاوَاتِ وَلَا فِي الْأَرْضِ وَلَا أَصْغَرُ مِن ذَٰلِكَ وَلَا أَكْبَرُ إِلَّا فِي كِتَابٍ مُّبِينٍ

"The Unbelievers say, 'Never to us will come The Hour': say, 'Nay! But most surely, By my Lord, it will come Upon you – by Him Who knows the unseen – From Whom is not hidden The least little atom In the Heavens or on earth: Nor is there anything less Than that, or greater, but Is in the Record Perspicuous.'" [Al-Qur'aan 34:3]

This verse refers to the Omniscience of God, His knowledge of all things, hidden or apparent. It then goes further and says that God is aware of everything, including what is smaller or bigger than the atom. Thus, the verse clearly shows that it is possible for something smaller than the atom to exist, a fact discovered only recently by modern science.

IRON

Iron is not natural to the earth. It came down to earth from outer space. Scientists have found that billions of years ago the earth was struck by meteorites.

These meteorites were carrying Iron from distant stars which had exploded.

The Quran says the following on the origin of Iron:

وَأَنزَلْنَا الْحَدِيدَ فِيهِ بَأْسٌ شَدِيدٌ وَمَنَافِعُ لِلنَّاسِ

"WE SENT DOWN IRON WITH ITS GREAT INHERENT STRENGTH AND ITS MANY BENEFITS FOR HUMANKIND"[57:25]

God uses the words *'sent down'* for Iron. It is clear from the verse that Iron is not an earthly material, but was sent down for the benefit of humanity.

GEOGRAPHY

THE WATER CYCLE

أَلَمْ تَرَ أَنَّ اللَّهَ أَنزَلَ مِنَ السَّمَاءِ مَاءً فَسَلَكَهُ يَنَابِيعَ فِي الْأَرْضِ ثُمَّ يُخْرِجُ بِهِ زَرْعًا مُّخْتَلِفًا أَلْوَانُهُ

"Seest thou not that Allah Sends down rain from The sky, and leads it Through springs in the earth? Then He causes to grow, Therewith, produce of various Colours." [Al-Qur'aan 39:21]

وَمِنْ آيَاتِهِ يُرِيكُمُ الْبَرْقَ خَوْفًا وَطَمَعًا وَيُنَزِّلُ مِنَ السَّمَاءِ مَاءً فَيُحْيِي بِهِ الْأَرْضَ بَعْدَ مَوْتِهَا ۚ إِنَّ فِي ذَٰلِكَ لَآيَاتٍ لِّقَوْمٍ يَعْقِلُونَ

"He sends down rain From the sky And with it gives life to The earth after it is dead: Verily in that are Signs For those who are wise." [AlQur'aan 30:24]

وأنزلنا من السماء ماء بقدر فأسكناه في الأرض وإنا على ذهاب به لقادرون

"And We send down water From the sky according to (Due) measure, and We cause it To soak in the soil; And We certainly are able To drain it off (with ease)." [Al-Qur'aan 23:18]

WINDS IMPREGNATE THE CLOUDS

وأرسلنا الرياح لواقح فأنزلنا من السماء ماء فأسقيناكموه وما أنتم له بخازنين

"And We send the fecundating winds, Then cause the rain to descend From the sky, therewith providing You with water (in abundance)." [AlQur'aan 15:22]

الله الذي يرسل الرياح فتثير سحابا فيبسطه في السماء كيف يشاء ويجعله كسفا فترى الودق يخرج من خلاله فإذا أصاب به من يشاء من عباده إذا هم يستبشرون

"It is Allah Who sends The Winds, and they raise The Clouds: then does He Spread them in the sky As He wills, and break them Into fragments, until thou seest Raindrops issue from the midst Thereof: then when He has Made them reach such Of His servants as He wills, Behold, they do rejoice!" [Al-Qur'aan 30:48]

The Qur'aanic descriptions are absolutely accurate and agree perfectly with modern data on hydrology. The water cycle is described in several verses of the Glorious Qur'aan, including 3:9, 7:57, 13:17, 25:48- 49, 36:34, 50:9-11, 56:68-70, 67:30 and 86:11.

GEOLOGY

MOUNTAINS ARE LIKE PEGS (STAKES)

أَلَمْ نَجْعَلِ الْأَرْضَ مِهَادًا وَالْجِبَالَ أَوْتَادًا

"Have We not made The earth as a wide Expanse, And the mountains as pegs?" [AlQur'aan 78:6-7]

وَجَعَلْنَا فِي الْأَرْضِ رَوَاسِيَ أَنْ تَمِيدَ بِهِمْ

"And We have set on the earth Mountains standing firm, Lest it should shake with them." [Al-Qur'aan 21:31]

MOUNTAINS FIRMLY FIXED

وَالْجِبَالَ أَرْسَاهَا

"And the mountains Hath He firmly fixed." [Al-Qur'aan 79:32]

OCEANOLOGY

BARRIER BETWEEN SWEET AND SALT WATERS

مَرَجَ الْبَحْرَيْنِ يَلْتَقِيَانِ بَيْنَهُمَا بَرْزَخٌ لَّا يَبْغِيَانِ

"He has let free the two bodies Of flowing water, Meeting together: Between them is a Barrier Which they do not transgress." [Al-Qur'aan 55:19-20]

وَجَعَلَ بَيْنَ الْبَحْرَيْنِ حَاجِزًا

"And made a separating bar between the two bodies Of flowing water?" [Al-Qur'aan 27:61]

وَهُوَ الَّذِي مَرَجَ الْبَحْرَيْنِ هَٰذَا عَذْبٌ فُرَاتٌ وَهَٰذَا مِلْحٌ أُجَاجٌ وَجَعَلَ بَيْنَهُمَا بَرْزَخًا وَحِجْرًا مَّحْجُورًا

"It is He Who has Let free the two bodies Of flowing water: One palatable and sweet, And the other salty and bitter; Yet has He Made a barrier between them, And a partition that is forbidden To be passed." [Al-Qur'aan 25:53]

DARKNESS IN THE DEPTHS OF THE OCEAN

أَوْ كَظُلُمَاتٍ فِي بَحْرٍ لُّجِّيٍّ يَغْشَاهُ مَوْجٌ مِّن فَوْقِهِ مَوْجٌ مِّن فَوْقِهِ سَحَابٌ ۚ ظُلُمَاتٌ بَعْضُهَا فَوْقَ بَعْضٍ إِذَا أَخْرَجَ يَدَهُ لَمْ يَكَدْ يَرَاهَا ۗ وَمَن لَّمْ يَجْعَلِ اللَّهُ لَهُ نُورًا فَمَا لَهُ مِن نُّورٍ

"Or (the Unbelievers' state) Is like the depths of darkness In a vast deep ocean, Overwhelmed with billow Topped by billow, Topped by (dark) clouds: Depths of darkness, one Above another: if a man Stretches out his hand, He can hardly see it! For any to whom Allah Giveth not light, there is no light!" [Al-Qur'aan 24:40]

BIOLOGY

EVERY LIVING THING IS MADE OF WATER

أَوَلَمْ يَرَ الَّذِينَ كَفَرُوا أَنَّ السَّمَاوَاتِ وَالْأَرْضَ كَانَتَا رَتْقًا فَفَتَقْنَاهُمَا ۖ وَجَعَلْنَا مِنَ الْمَاءِ كُلَّ شَيْءٍ حَيٍّ ۖ أَفَلَا يُؤْمِنُونَ

"Do not the Unbelievers see that the heavens and the earth were joined together (as one Unit of Creation), before We clove them asunder? We made from water every living thing. Will they not then believe?" [Al-Qur'aan 21:30]

وَاللَّهُ خَلَقَ كُلَّ دَابَّةٍ مِّن مَّاءٍ

"And Allah has created Every animal from water." [Al-Qur'aan 24:45]

وهو الذي خلق من الْماء بشرا فجعله نسبا وصهرا ۗ وكان ربُّك قديرا

"It is He Who has Created man from water: Then has He established Relationships of lineage And marriage: for thy Lord Has power (over all things)." [Al-Qur'aan 25:54]

LYING & MOVEMENT

There was a cruel oppressive tribal leader named Abu Jahl who lived during the time of Prophet Muhammad (peace and blessings of Allah be upon him). Allah revealed a verse of the Quran to warn him:

كَلَّا لَئِن لَّمْ يَنتَهِ لَنَسْفَعًا بِالنَّاصِيَةِ نَاصِيَةٍ كَاذِبَةٍ خَاطِئَةٍ

"NO INDEED! IF HE DOES NOT STOP, WE WILL SEIZE HIM BY THE FOREHEAD, HIS LYING, SINFUL FOREHEAD."[96:15-16]

Allah does not call this person a liar, but calls his forehead (the front part of the brain) 'lying' and 'sinful', and warns him to stop.

This verse is significant for two reasons. The first is that the front part of our brain is responsible for voluntary movement. This is known as the frontal lobe.

A book titled **'Essentials of Anatomy and Physiology'** which includes the results of research on the functions of this area states:

THE MOTIVATION AND THE FORESIGHT TO PLAN AND INITIATE MOVEMENTS OCCUR IN THE ANTERIOR PORTION OF THE FRONTAL LOBES, THE PREFRONTAL AREA. THE PART OF THE BRAIN THAT IS RESPONSIBLE FOR MOVEMENT IS SAID TO BE SEIZED IF THE MAN DOES NOT STOP.

BOTANY

PLANTS CREATED IN PAIRS, MALE AND FEMALE

وَأَنزلَ من السَّماء ماء فَأَخْرجنا به أَزْواجا من نَّبات شَتَّىٰ

. "'And has sent Down water from the sky.' With it have We produced Diverse pairs of plants Each separate from the others." [AlQur'aan 20:53]

FRUITS CREATED IN PAIRS, MALE AND FEMALE

وَمن كُلّ الثَّمرات جعل فيها زوْجيْن اثْنيْن

"And fruit Of every kind He made In pairs, two and two." [Al-Qur'aan 13:3]

EVERYTHING MADE IN PAIRS

وَمن كُلّ شَيْء خلَقْنا زوْجيْن

"And of everything We have created pairs." [Al-Qur'aan 51:49]

سُبْحَانَ الَّذِي خَلَقَ الْأَزْوَاجَ كُلَّهَا مِمَّا تُنبِتُ الْأَرْضُ وَمِنْ أَنفُسِهِمْ وَمِمَّا لَا يَعْلَمُونَ

“Glory to Allah, Who created In pairs all things that The earth produces, as well as Their own (human) kind And (other) things of which They have no knowledge.” [Al-Qur’aan 36:36]

ZOOLOGY

ANIMALS AND BIRDS LIVE IN COMMUNITIES

وَمَا مِن دَابَّةٍ فِي الْأَرْضِ وَلَا طَائِرٍ يَطِيرُ بِجَنَاحَيْهِ إِلَّا أُمَمٌ أَمْثَالُكُم

“There is not an animal (That lives) on the earth, Nor a being that flies On its wings, but (forms Part of) communities like you.” [Al-Qur’aan 6:38]

Research has shown that animals and birds live in communities, i.e. they organize, and live and work together.

THE FLIGHT OF BIRDS

أَلَمْ يَرَوْا إِلَى الطَّيْرِ مُسَخَّرَاتٍ فِي جَوِّ السَّمَاءِ مَا يُمْسِكُهُنَّ إِلَّا اللَّهُ ۗ إِنَّ فِي ذَٰلِكَ لَآيَاتٍ لِّقَوْمٍ يُؤْمِنُونَ

“Do they not look at The birds, held poised In the midst of (the air And) the sky? Nothing Holds them up but (the power Of) Allah. Verily in this Are Signs for those who believe.” [Al-Qur’aan 16:79]

أَوَلَمْ يَرَوْا إِلَى الطَّيْرِ فَوْقَهُمْ صَافَّاتٍ وَيَقْبِضْنَ ۚ مَا يُمْسِكُهُنَّ إِلَّا الرَّحْمَٰنُ ۚ إِنَّهُ بِكُلِّ شَيْءٍ بَصِيرٌ

"Do they not observe The birds above them, Spreading their wings And folding them in? None can uphold them Except (Allah) Most Gracious: Truly it is He That watches over all things." [Al-Qur'aan 67:19]

THE BEE

وَأَوْحَىٰ رَبُّكَ إِلَى النَّحْلِ أَنِ اتَّخِذِي مِنَ الْجِبَالِ بُيُوتًا وَمِنَ الشَّجَرِ وَمِمَّا يَعْرِشُونَ ثُمَّ كُلِي مِن كُلِّ الثَّمَرَاتِ فَاسْلُكِي سُبُلَ رَبِّكِ ذُلُلًا ۚ

"And thy Lord taught the Bee To build its cells in hills, On trees, and in (men's) habitations; Then to eat of all The produce (of the earth), And find with skill the spacious Paths of its Lord." [Al-Qur'aan 16:68-69]

LIFESTYLE AND COMMUNICATION OF ANTS

وَحُشِرَ لِسُلَيْمَانَ جُنُودُهُ مِنَ الْجِنِّ وَالْإِنسِ وَالطَّيْرِ فَهُمْ يُوزَعُونَ حَتَّىٰ إِذَا أَتَوْا عَلَىٰ وَادِ النَّمْلِ قَالَتْ نَمْلَةٌ يَا أَيُّهَا النَّمْلُ ادْخُلُوا مَسَاكِنَكُمْ لَا يَحْطِمَنَّكُمْ سُلَيْمَانُ وَجُنُودُهُ وَهُمْ لَا يَشْعُرُونَ

"And before Solomon were marshaled His hosts – of Jinns and men And birds, and they were all Kept in order and ranks. "At length, when they came To a (lowly) valley of ants, One of the ants said: 'O ye ants, get into Your habitations, lest Solomon And his hosts

crush you (Under foot) without knowing it.'" [AlQur'aan 27:17-18]

In recent times, research has shown us several facts about the lifestyle of ants, which were not known earlier to humankind. Research has shown that the animals or insects whose lifestyle is closest in resemblance to the lifestyle of human beings are the ants. This can be seen from the following findings regarding ants:

(a) The ants bury their dead in a manner similar to the humans. (b) They have a sophisticated system of division of labour, whereby they have managers, supervisors, foremen, workers, etc. (c) Once in a while they meet among themselves to have a 'chat'. (d) They have an advanced method of communication among themselves. (e) They hold regular markets wherein they exchange goods. (f) They store grains for long periods in winter and if the grain begins to bud, they cut the roots, as if they understand that if they leave it to grow, it will rot. If the grains stored by them get wet due to rains, they take these grains out into the sunlight to dry, and once these are dry, they take them back inside as though they know that humidity will cause development of root systems and thereafter rotting of the grain.

MEDICINE

HONEY HAS HEALING PROPERTIES

ثُمَّ كُلِي مِن كُلِّ الثَّمَرَاتِ فَاسْلُكِي سُبُلَ رَبِّكِ ذُلُلًا ۚ يَخْرُجُ مِن بُطُونِهَا شَرَابٌ
مُّخْتَلِفٌ أَلْوَانُهُ فِيهِ شِفَاءٌ لِّلنَّاسِ

“There issues From within their bodies A drink of varying colours, Wherein is healing for men.” [Al-Qur’aan 16:69]

We are now aware that honey has a healing property and also a mild antiseptic property. The Russians used honey to cover their wounds in World War II. The wound would retain moisture and would leave very little scar tissue. Due to the density of honey, no fungus or bacteria would grow in the wound. A person suffering from an allergy of a particular plant may be given honey from that plant so that the person develops resistance to that allergy. Honey is rich in fructose and vitamin K. Thus the knowledge contained in the Qur’aan regarding honey, its origin and properties, was far ahead of the time it was revealed.

PHYSIOLOGY

BLOOD CIRCULATION AND THE PRODUCTION OF MILK

وَإِنَّ لَكُمْ فِي الْأَنْعَامِ لَعِبْرَةً نُّسْقِيكُم مِّمَّا فِي بُطُونِهِ مِن بَيْنِ فَرْثٍ وَدَمٍ لَّبَنًا
خَالِصًا سَائِغًا لِّلشَّارِبِينَ

“And verily in cattle there is A lesson for you. We give you to drink Of what is inside their bodies, Coming from a conjunction Between the contents of the Intestine and the blood, A milk pure and pleasant for Those who drink it.” [Al-Qur’aan 16:66]

وَإِنَّ لَكُمْ فِي الْأَنْعَامِ لَعِبْرَةً نُّسْقِيكُم مِّمَّا فِي بُطُونِهَا وَلَكُمْ فِيهَا مَنَافِعُ كَثِيرَةٌ
وَمِنْهَا تَأْكُلُونَ

“And in cattle (too) ye Have an instructive example: From within their bodies We produce (milk) for you To drink; there are, in them, (Besides), numerous (other) Benefits for you; And of their (meat) ye eat.” [AlQur’aan 23:21]

The Qur’aanic description of the production of milk in cattle is strikingly similar to what modern physiology has discovered.

EMBRYOLOGY

MAN IS CREATED FROM ALAQ A LEECH-LIKE SUBSTANCE

اقْرَأْ بِاسْمِ رَبِّكَ الَّذِي خَلَقَ خَلَقَ الْإِنسَانَ مِنْ عَلَقٍ

"Proclaim! (or Read!) In the name Of thy Lord and Cherisher, Who created – Created man, out of A (mere) clot Of congealed blood." [Al-Qur'aan 96:1-2

A DROP EMITTED FROM BETWEEN THE BACK BONE AND THE RIBS

فَلْيَنظُرِ الْإِنسَانُ مِمَّ خُلِقَ خُلِقَ مِن مَّاءٍ دَافِقٍ يَخْرُجُ مِن بَيْنِ الصُّلْبِ وَالتَّرَائِبِ

"Now let man but think from what he is created! He is created from A drop emitted – Proceeding from between The back bone and the ribs." [Al-Qur'aan 86:5-7]

FOETUS PROTECTED BY THREE VEILS OF DARKNESS

يَخْلُقُكُمْ فِي بُطُونِ أُمَّهَاتِكُمْ خَلْقًا مِّن بَعْدِ خَلْقٍ فِي ظُلُمَاتٍ ثَلَاثٍ

"He makes you, In the wombs of your mothers, In stages, one after another, In three veils of darkness." [Al-Qur'aan 39:6]

According to Prof. Keith Moore these three veils of darkness in the Qur'aan refer to: (i) anterior abdominal wall of the mother (ii) the uterine wall (iii) the amnio-chorionic membrane.

EMBRYONIC STAGES

وَلَقَدْ خَلَقْنَا الْإِنسَانَ مِن سُلَالَةٍ مِّن طِينٍ ثُمَّ جَعَلْنَاهُ نُطْفَةً فِي قَرَارٍ مَّكِينٍ ثُمَّ خَلَقْنَا النُّطْفَةَ عَلَقَةً فَخَلَقْنَا الْعَلَقَةَ مُضْغَةً فَخَلَقْنَا الْمُضْغَةَ عِظَامًا فَكَسَوْنَا الْعِظَامَ لَحْمًا ثُمَّ أَنشَأْنَاهُ خَلْقًا آخَرَ ۚ فَتَبَارَكَ اللَّهُ أَحْسَنُ الْخَالِقِينَ

"Man We did create From a quintessence (of clay); Then We placed him As (a drop of) sperm In a place of rest, firmly fixed; Then We made the sperm Into a clot of congealed blood; Then of that clot We made A (foetus) lump; then We Made out of that lump Bones and clothed the bones With flesh; then We developed Out of it another creature. So blessed be Allah, The Best to create!" [Al-Qur'aan 23:12-14]

أَلَمْ يَكُ نُطْفَةً مِّن مَّنِيٍّ يُمْنَىٰ ثُمَّ كَانَ عَلَقَةً فَخَلَقَ فَسَوَّىٰ فَجَعَلَ مِنْهُ الزَّوْجَيْنِ الذَّكَرَ وَالْأُنثَىٰ

"Was he not a drop Of sperm emitted (In lowly form)? Then did he become a clinging clot; Then did (Allah) make and fashion (him) In due proportion. And of him He made Two sexes, male and female." [Al-Qur'aan 75:37-39]

الَّذِي خَلَقَكَ فَسَوَّاكَ فَعَدَلَكَ فِي أَيِّ صُورَةٍ مَّا شَاءَ رَكَّبَكَ

"Him Who created thee, fashioned thee in due proportion, And gave thee a just bias; In whatever Form He wills, Does He put thee together." [AlQur'aan 82:7-8]

SENSE OF HEARING AND SIGHT

The first sense to develop in a developing human embryo is hearing. The fetus can hear sounds after the 24th week. Subsequently, the sense of sight is developed and by the 28th week, the retina becomes sensitive to light. Consider the following Qur'aanic verses related to the development of the senses in the embryo:

وَجَعَلَ لَكُمُ السَّمْعَ وَالْأَبْصَارَ وَالْأَفْئِدَةَ ۚ قَلِيلًا مَّا تَشْكُرُونَ

"And He gave You (the faculties of) hearing and sight and feeling (And understanding)." [Al-Qur'aan 32:9]

إِنَّا خَلَقْنَا الْإِنسَانَ مِن نُّطْفَةٍ أَمْشَاجٍ نَّبْتَلِيهِ فَجَعَلْنَاهُ سَمِيعًا بَصِيرًا

"Verily We created Man from a drop Of mingled sperm, In order to try him: So We gave him (the gifts), Of Hearing and Sight." [Al-Qur'aan 76:2]

وَهُوَ الَّذِي أَنشَأَ لَكُمُ السَّمْعَ وَالْأَبْصَارَ وَالْأَفْئِدَةَ ۚ قَلِيلًا مَّا تَشْكُرُونَ

"It is He Who has created For you (the faculties of) Hearing, sight, feeling And understanding: little thanks It is ye give!" [Al-Qur'aan 23:78]

GENERAL SCIENCE

FINGERPRINTS

أَيَحْسَبُ الْإِنسَانُ أَلَّن نَّجْمَعَ عِظَامَهُ بَلَىٰ قَادِرِينَ عَلَىٰ أَن نُّسَوِّيَ بَنَانَهُ

"Does man think that We Cannot assemble his bones? Nay, We are able to put Together in perfect order The very tips of his fingers." [Al-Qur'aan 75:3-4]

PAIN RECEPTORS PRESENT IN THE SKIN

إِنَّ الَّذِينَ كَفَرُوا بِآيَاتِنَا سَوْفَ نُصْلِيهِمْ نَارًا كُلَّمَا نَضِجَتْ جُلُودُهُم بَدَّلْنَاهُمْ
جُلُودًا غَيْرَهَا لِيَذُوقُوا الْعَذَابَ ۗ إِنَّ اللَّهَ كَانَ عَزِيزًا حَكِيمًا

"Those who reject Our signs, We shall soon Cast into the Fire; As often as their skins Are roasted through, We shall change them For fresh skins, That they may taste The Penalty: for Allah Is Exalted in Power, Wise." [AlQur'aan 4:56]

دار السنة اللطيفية نيويورك

(Hifz and Alim Course)

Hifz: 3 Years (Full Time)

Alim: 5 Years (Full Time)

Darussunnah Latifia New York

(A Garden of Huffaj)

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